

S-100,643
Docket No. 10/630,111
In Response to Office Action dated April 26th, 2004

REMARKS

1. Claims 1-29 are pending in the present patent application. Claims 1-29 have been subject to a restriction requirement. The Office Action separated claims 1-29 into two groups: Group I includes claims 1-28 (apparatus) and Group II includes claim 29 (method).

Applicant elects Group I without traverse.

2. Applicant has been requested to elect one of the following disclosed hydrogen atmosphere species for prosecution: (A) hydrogen (protium) only, or, (B) mixture of deuterium and protium.

Applicant elects species (A) hydrogen (protium) only.

3. Applicant has been requested to elect a single specie of coolant for the purposes of examination.

Applicant elects potassium as the single specie of coolant in the heat pipe.

4. Applicant has been requested to elect a single specie of fissile and fertile (if any) isotope for the purposes of examination.

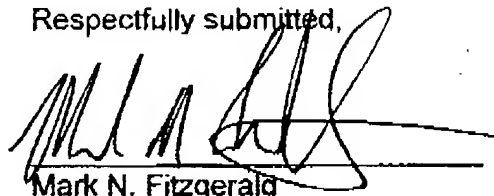
Applicant elects uranium-235 (U-235) and uranium-238 (U-238) only as the single specie of fissile and fertile isotope.

5. Applicant is advised that a response must include a listing of all claims readable thereon, based on applicant's above elections.

Applicant believes that the following list of claims is readable thereon: Claims 1-5, 8-10, and 12-28.

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Respectfully submitted,



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